

6657103

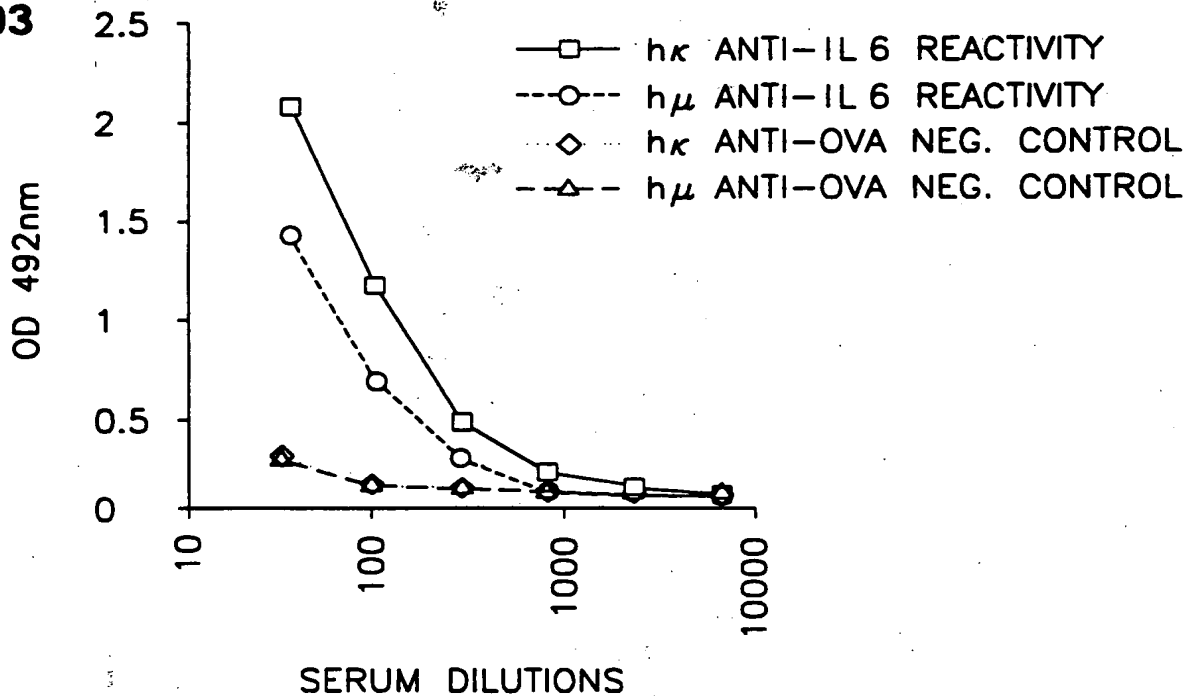


FIG. 1

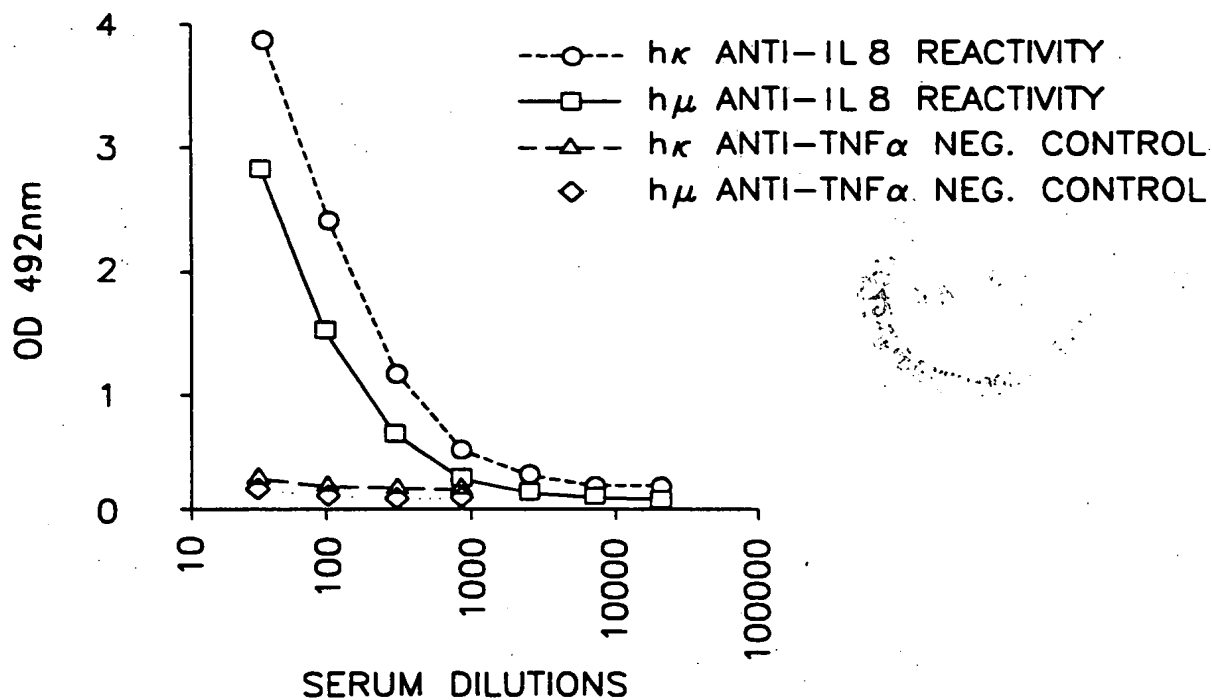


FIG. 2

3/27/97

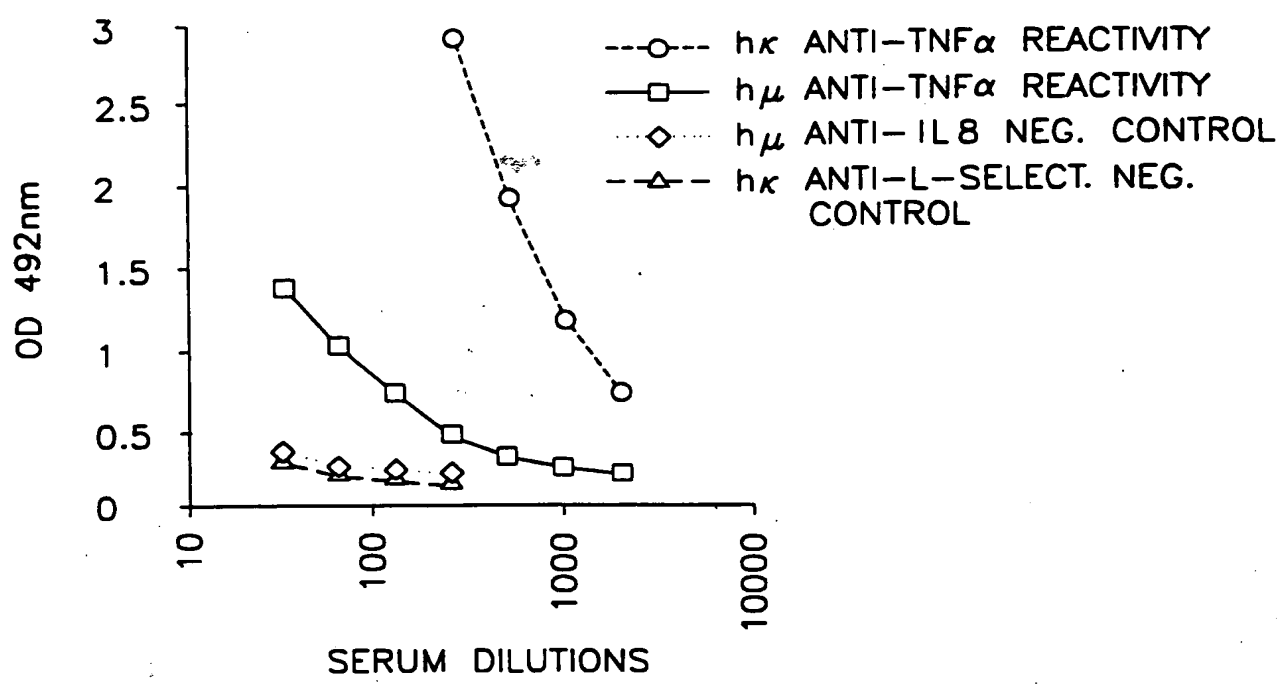


FIG. 3

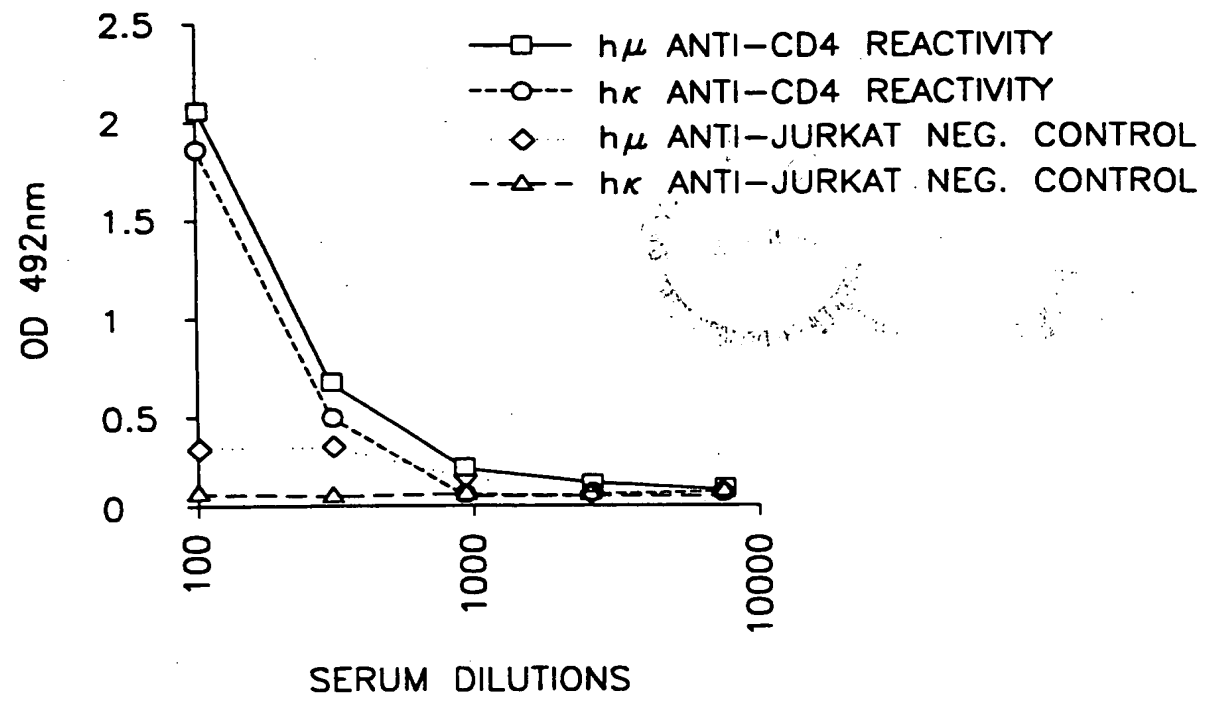


FIG. 4

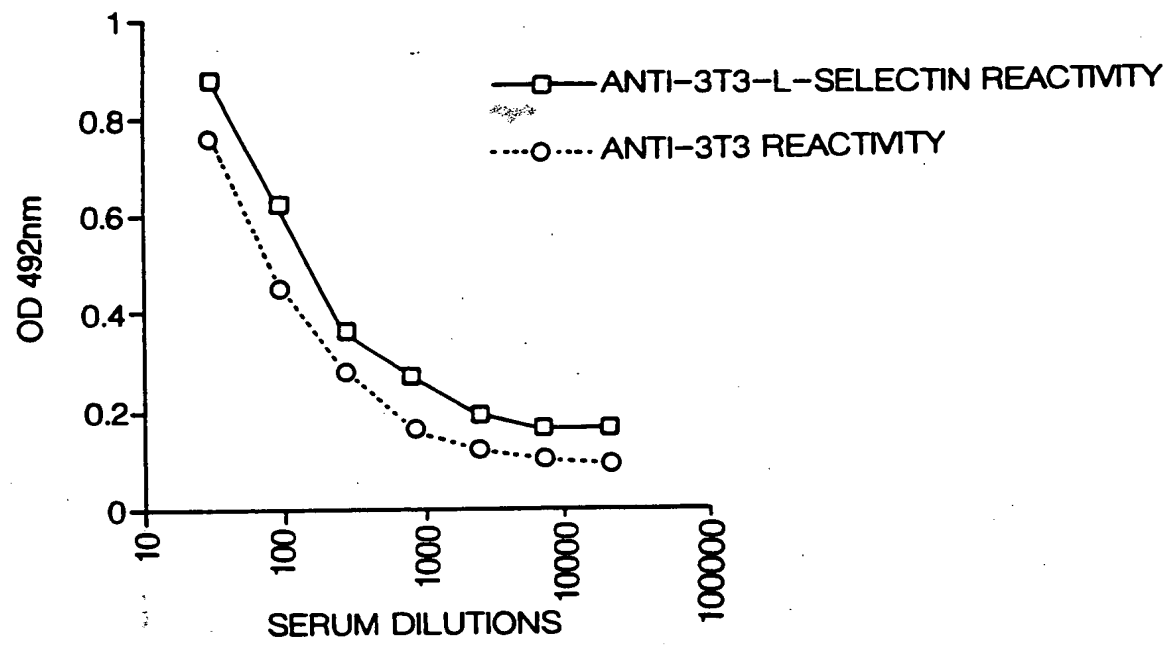


FIG. 5

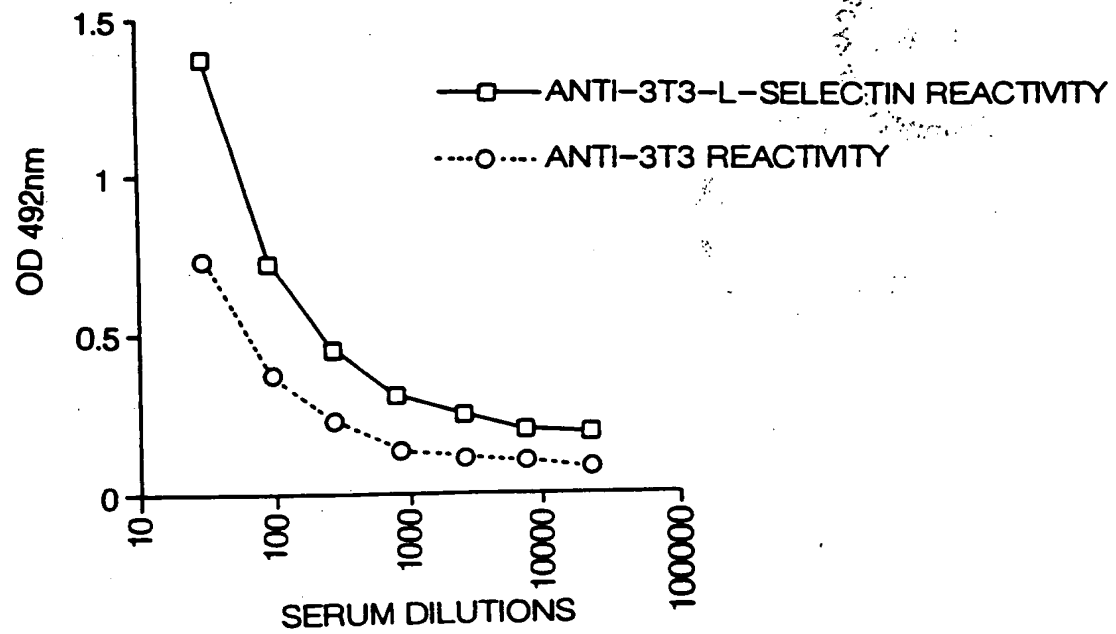


FIG. 6

APPROVED	DATE
BY	CLASS
DRAFTSMAN	CLASS

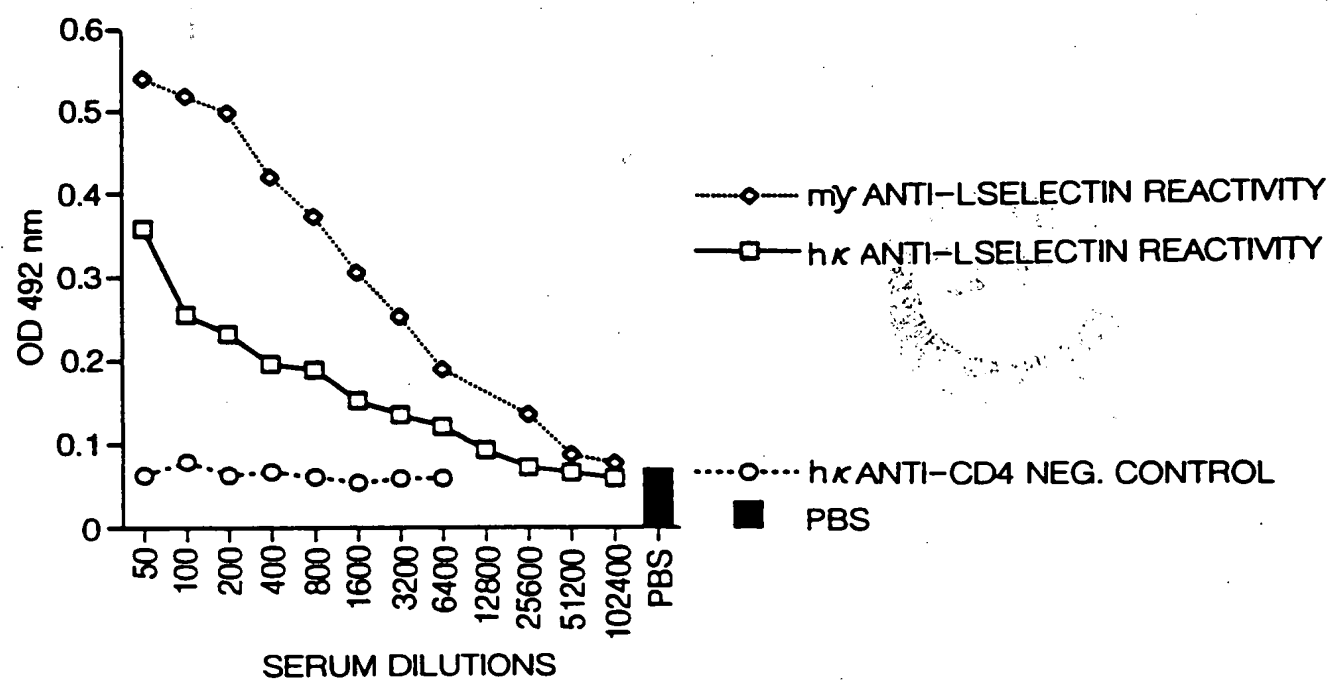


FIG. 7

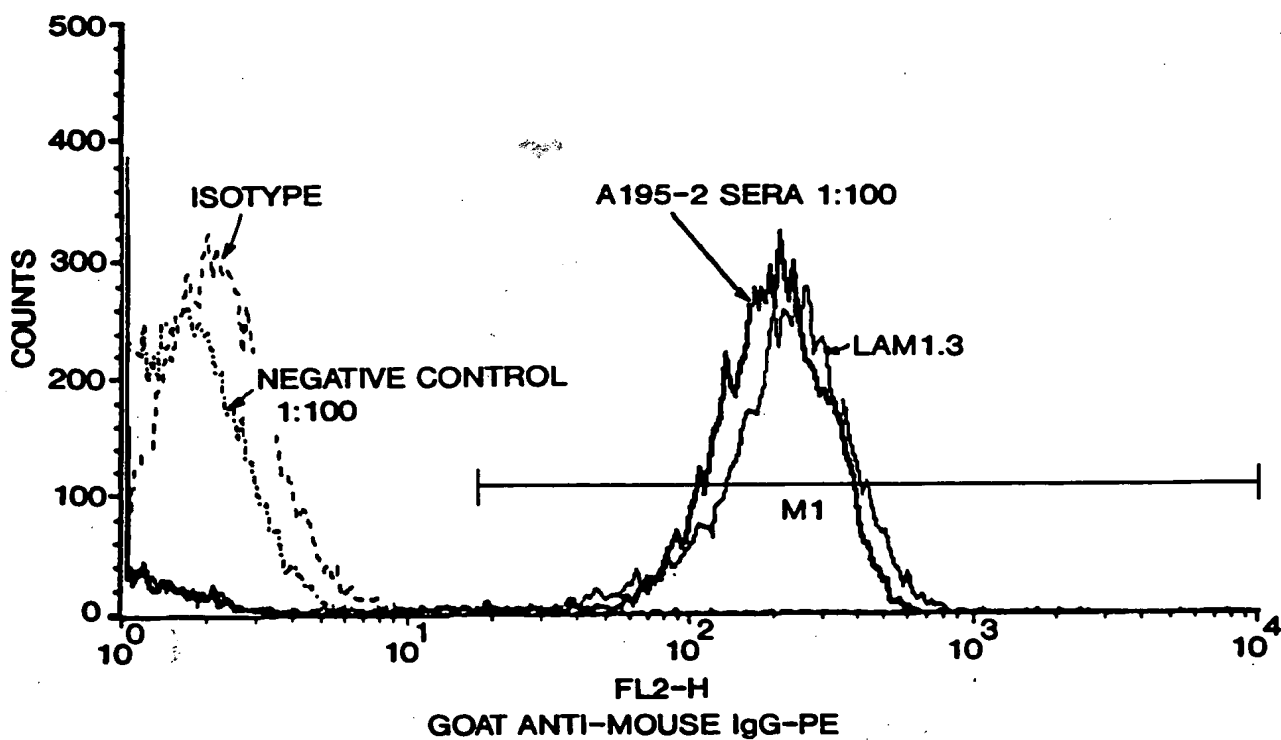


FIG. 8

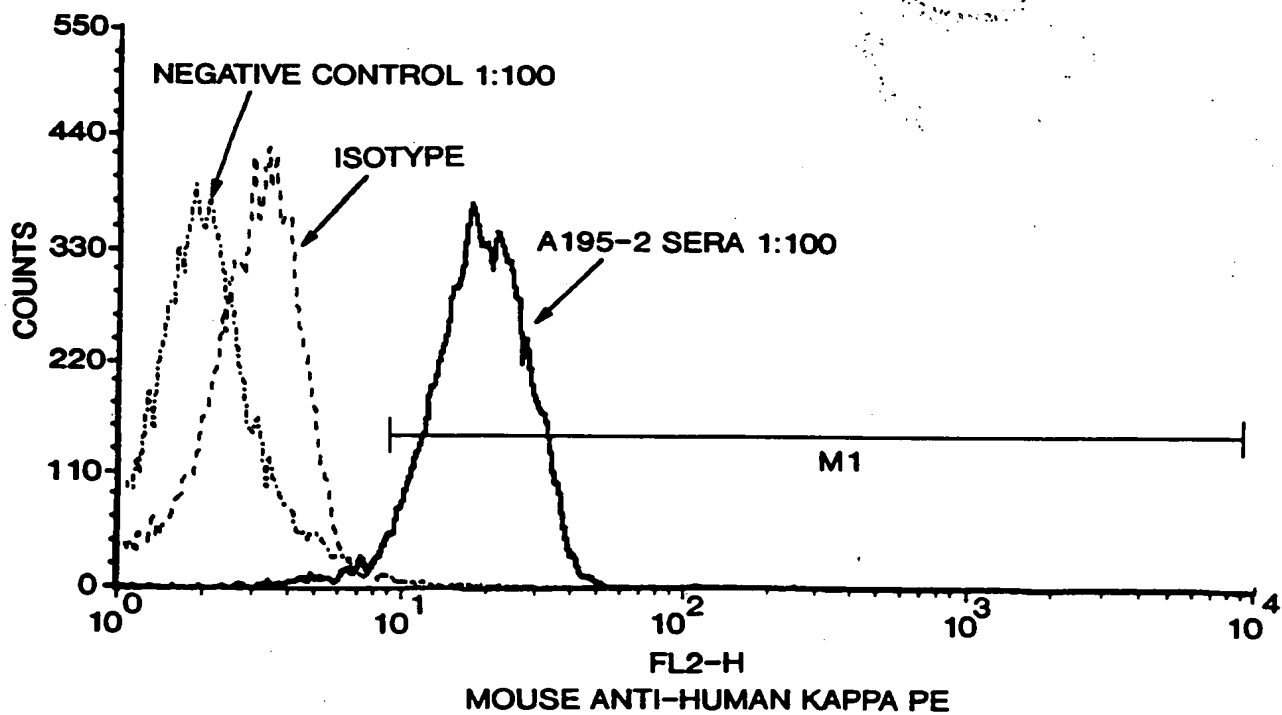
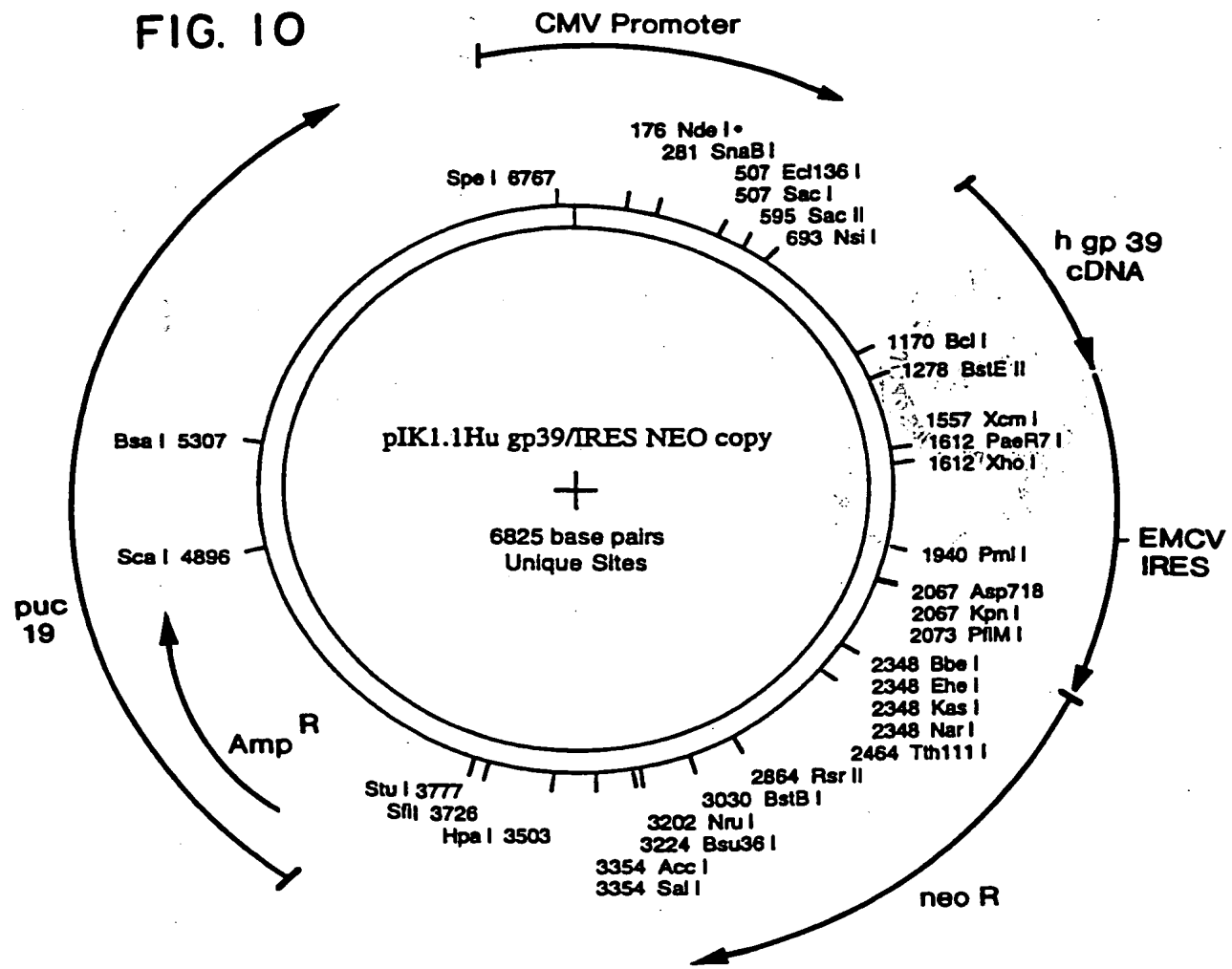


FIG. 9

FIG. 10



PROJECTED	DATE
BY	CLASS SUBCLASS
DRAFTSMAN	

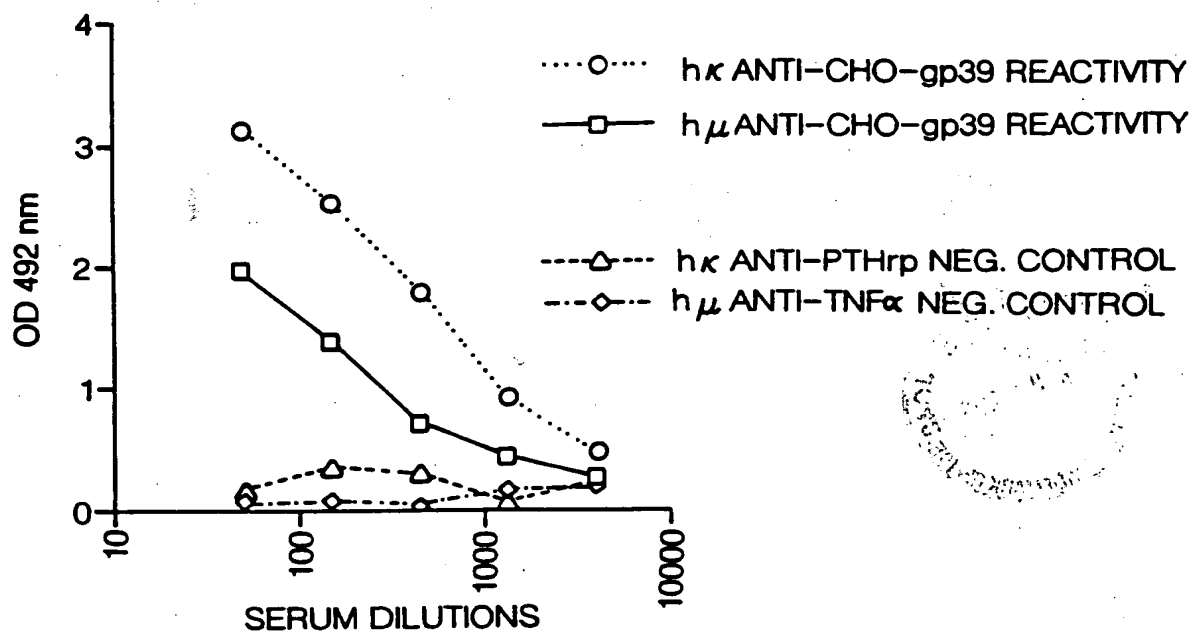


FIG. II

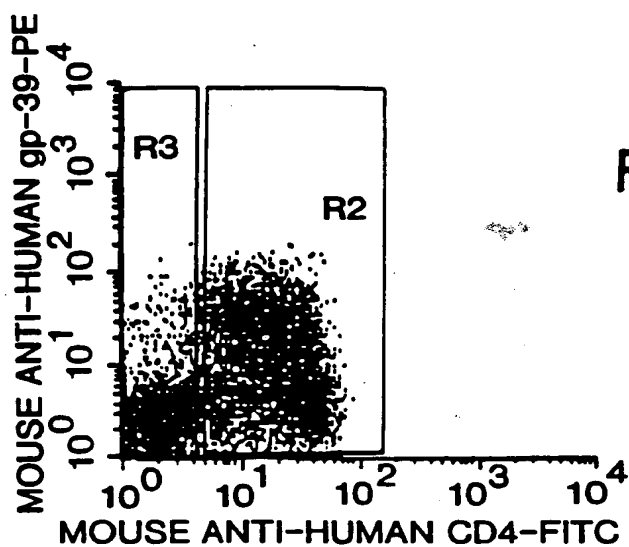


FIG. 12A

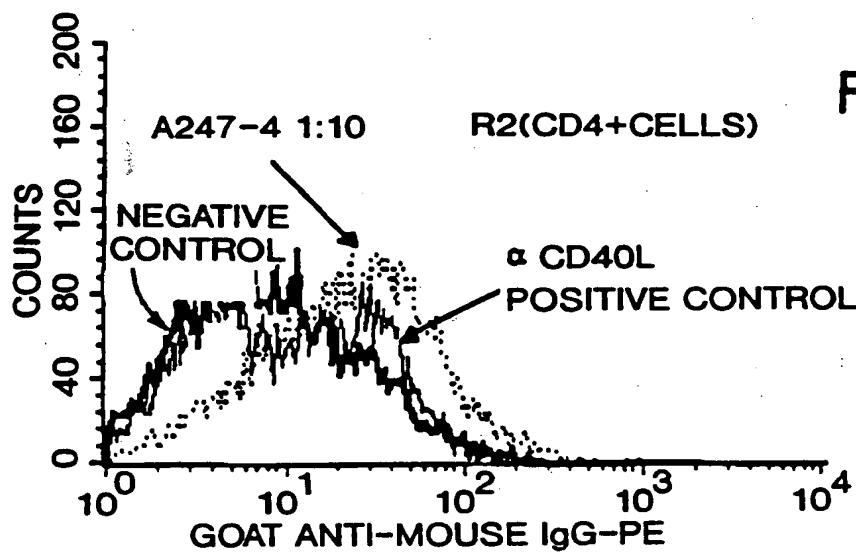


FIG. 12B

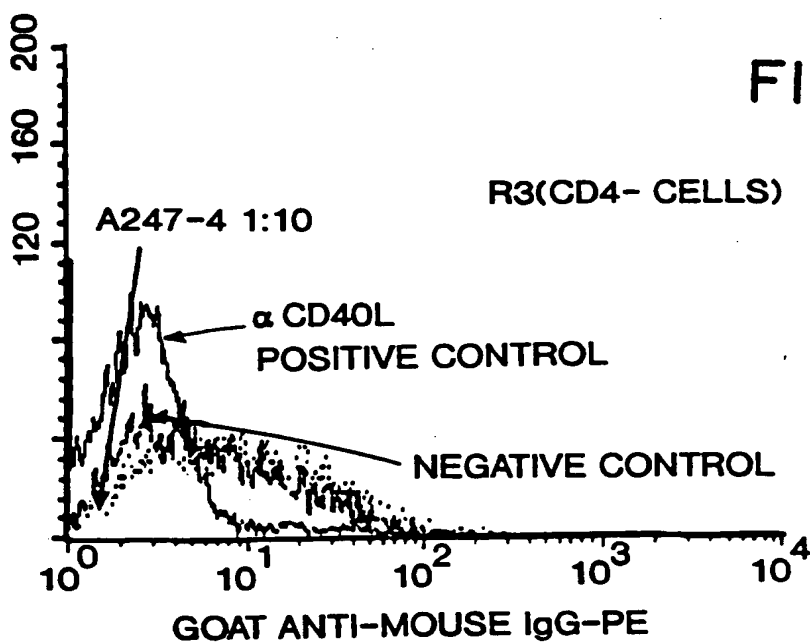


FIG. 12C

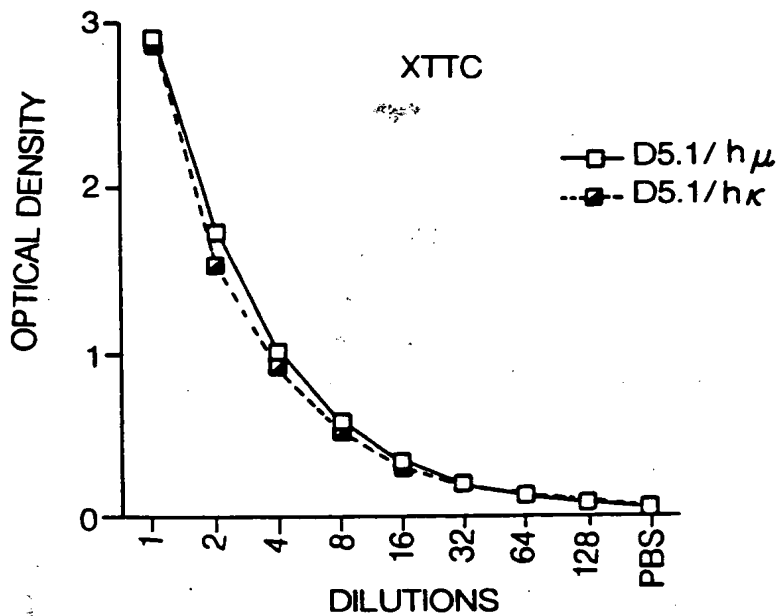


FIG. 13

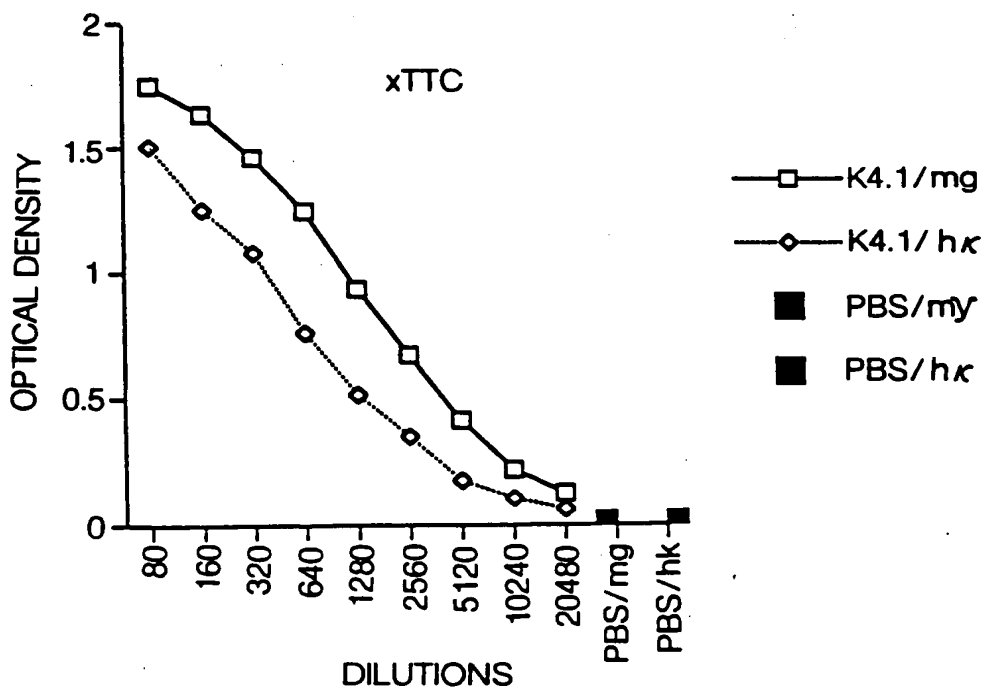


FIG. 14

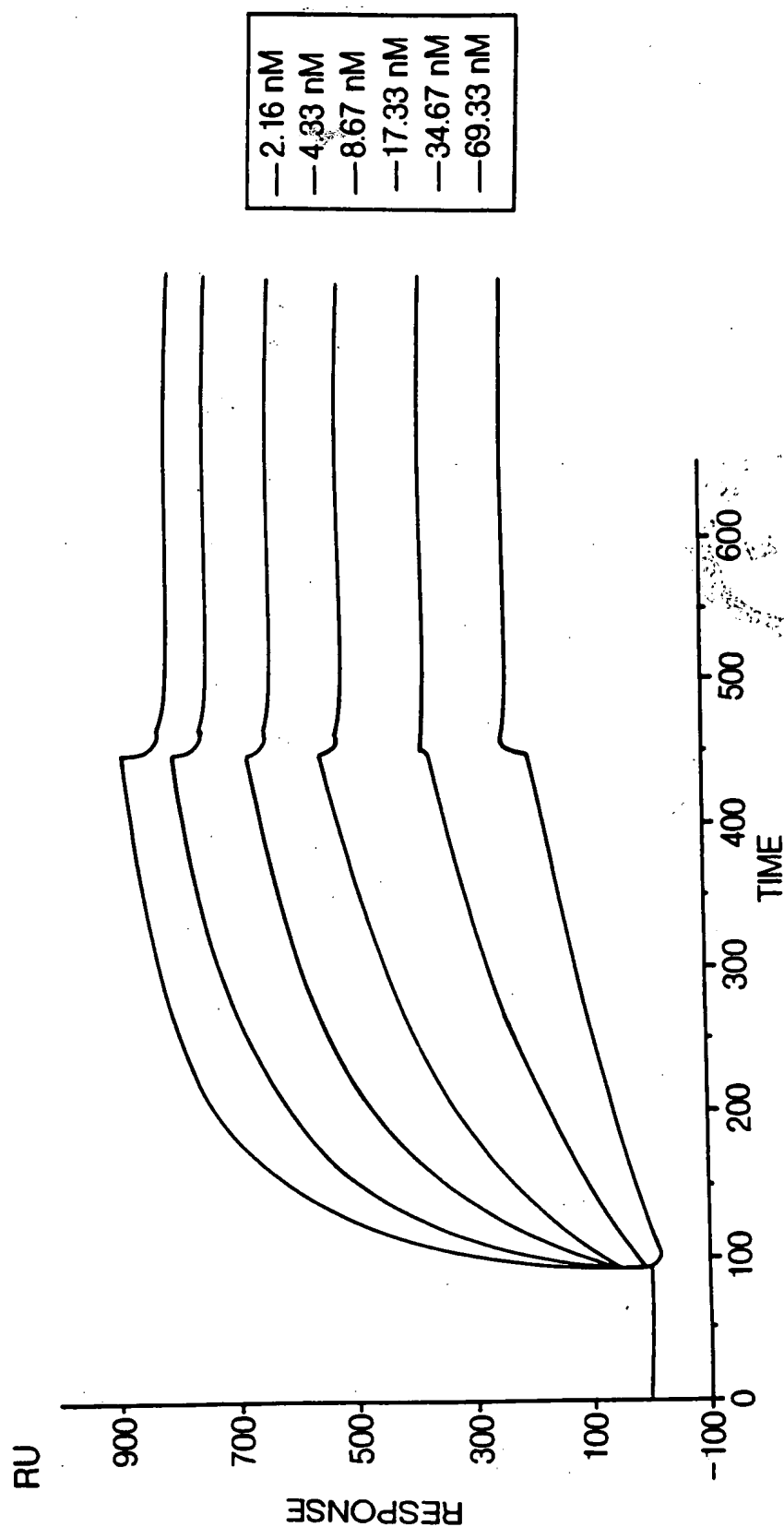


FIG. 15

Germline VH6 Hybridoma K4.1.6 Germline JH4 Germline D(N1)	<p>CDR1</p> <p>AGACCCCTCTC ACICACCTGT GCCATCTCCG GGGACAGTGT CTCTAGCAAC AGACCCCTCTC ACICACCTGT GCCATCTCCG GGGACAGTGT CTCTAGCGAC</p> <p>CDR2</p> <p>AGTGCTGCTT GGACCTGGAT CAGGCAGTCC CCATCGAGAG GCCTTGAGTG AGTGCTGCTT GGACCTGGAT CAGGCAGTCC CCATCGAGAG GCCTTGAGTG</p> <p>VH6</p> <p>GCCTGGGAAGG ACATACTACA GGTCCTAAGTG GTATAATGAT TATGCAGTAT GCCTGGGAAGG ACATACTACA GGTCCTAAGTG GTATAATGAT TATGCAGTAT</p>	50 50 100 100 150 150
Germline VH6 Hybridoma K4.1.6 Germline JH4 Germline D(N1)	<p>VH6</p> <p>CTGTGAAAG TCGAATACC ATCAACCCAG ACACATCCAA GAACCACTTC CTGTGAAAG TCGAATACC ATCAACCCAG ACACATCCAA GAACCACTTC</p> <p>VH6</p> <p>TCCCTGCAGC TGAACCTCTGT GACTCCCGAG GACACGGCTG TGTATTACTG TCCCTGCAGC TGAACCTCTGT GACTCCCGAG GACACGGCTG TGTATTACTG</p> <p>CDR3</p> <p>TGCAAGAGA- TACAAGAGAT ATAGCGCAG CTGGTACCCT CTTTGACTAC TGGGGCCAGG -----GGGT ATAGCAGCAG CTGGTAC-----</p> <p>DNI</p> <p>JH4</p>	200 200 250 250 259 300 22 21

FIG. 16A

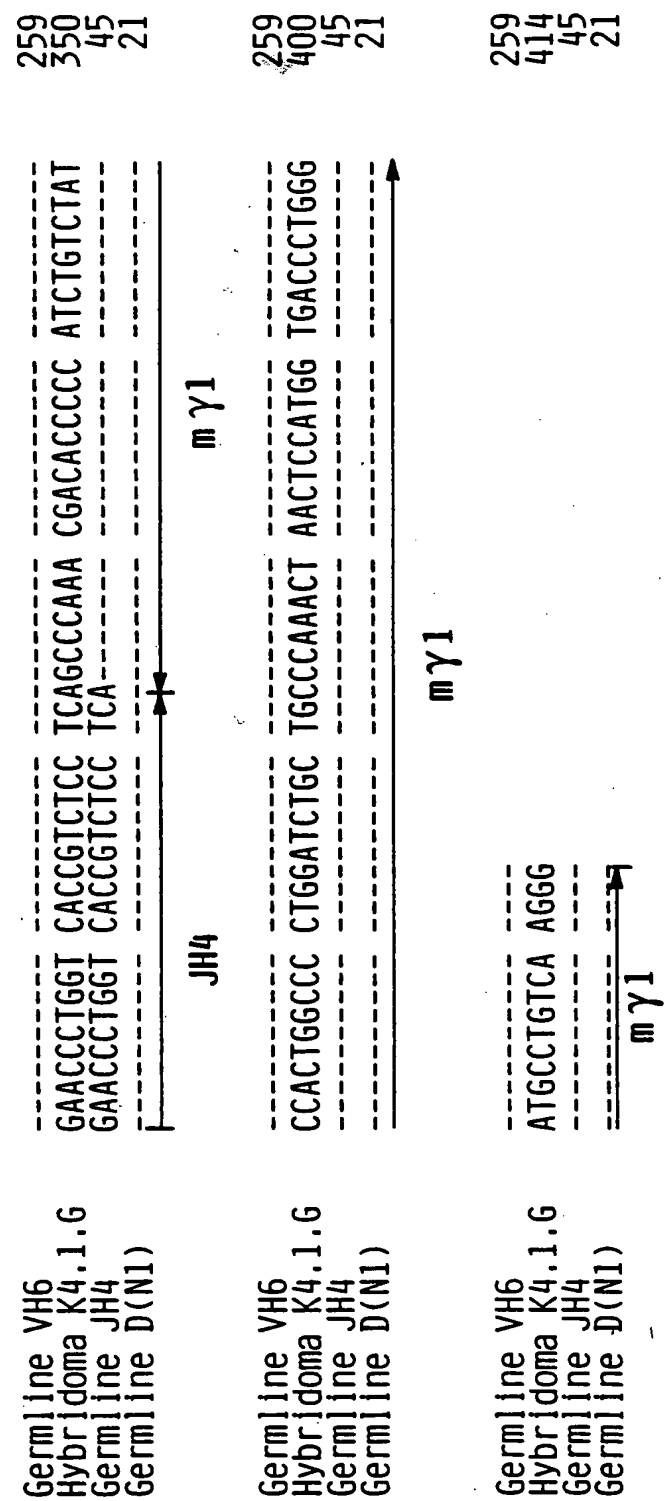


FIG. 16B

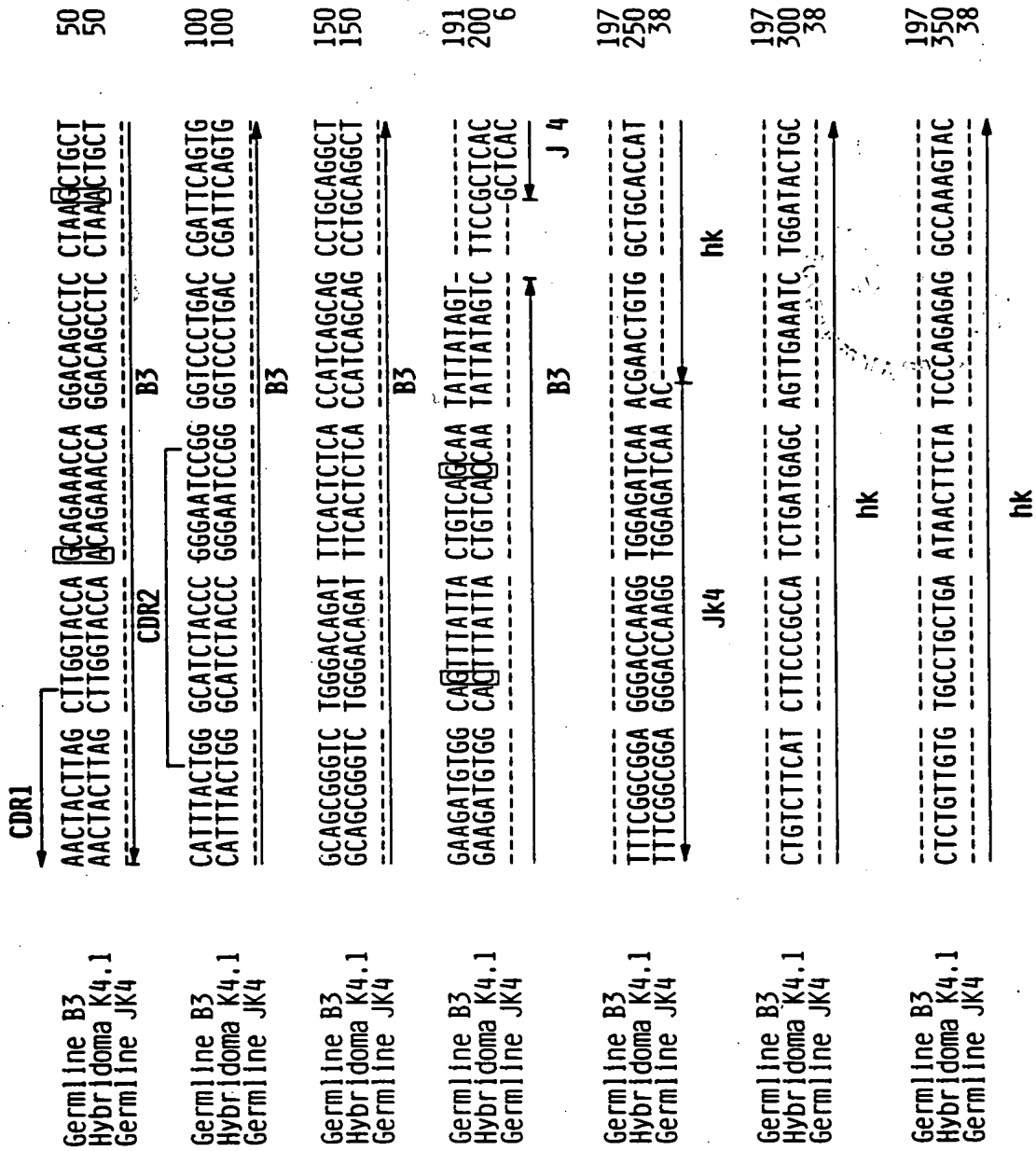


FIG. 17

Germline VH6 Hybridoma D5.1.1.4 Germline JH4 Germline D(N1) Germline hMu	CDR1		50
	AGACCCCTCTC	ACTCACCTGT	50
	AGACCCCTCTC	ACTCACCTGT	50
	-----	-----	50
	-----	-----	50
Germline VH6 Hybridoma D5.1.1.4 Germline JH4 Germline D(N1) Germline hMu	CDR2		100
	AGTGCTGCTT	GGAACITGGAT	100
	AGTGCTGCTT	GGAACITGGAT	100
	-----	-----	100
	-----	-----	100
Germline VH6 Hybridoma D5.1.1.4 Germline JH4 Germline D(N1) Germline hMu	CDR3		150
	GCTGGGAAGG	ACATACTACA	150
	GCTGGGAAGG	ACATACTACA	150
	-----	-----	150
	-----	-----	150
Germline VH6 Hybridoma D5.1.1.4 Germline JH4 Germline D(N1) Germline hMu	CDR4		200
	CTGTGAAAAG	TCGAATAACC	200
	CTGTGAAAAG	TCGAATAACC	200
	-----	-----	200
	-----	-----	200

FIG. 18A

FIG. 18B

250
250

TCCCTGCAGC TGAACICTGT GACTCCCAG GACACGGCTG TGATTACTTG
TCCCTGCAGC TGAACICTGT GACTCCCAG GACACGGCTG TGATTACTTG

VH6 →

Germiline VH6
Hybridoma D5.1.4
Germiline JH4
Germiline D(N1)
Germiline hMu

259
300
20
15

TGCAAGAGA-
TTGCAAGAGAT
-----T

ATAGCAGTGG
| |
+ +
ATAGCAGCAG CTGG

CTGGCGTCCT

CTTTGACTGC
CTTTGACTAC

TGGGGCCACGG
TGGGGCCAAG

VH6 → DN1 → JH4

Germline VH6
Hybridoma D5.1.4
Germline JH4
Germline K(N1)
Germline hMu

259
350
43
15
27

GAACCCCTGGT CACCGCTCCTCAGGGAGTG CATCCGCCCC AACCCTTTTC
 GAACCCCTGGT CACCGCTCCTC TCA -----
 ----- GGGAGTG CATCCGCCCC AACCCTTTTC
 JH4 $\xrightarrow{h\nu}$ h ν

Germline VH6
Hybridoma D5.1.4
Germline JH4
Germline D(N1)
Germline hMu

259
400
43
15
77

CCCCCTCGTCT CCTGTGAGAA TTCCCCGTCG GATACGAGCA GCGTGGCCGT
 CCCCCTCGTCT CCTGTGAGAA TTCCCCGTCG GATACGAGCA GCGTGGCCGT

Germline VH6
Hybridoma D5.1.4
Germline JH4
Germline D(N1)
Germline hMu

Germ line B3	GACATCGTGA	TGACCCAGTC	TCCAGACTCC	CTGGCTGTGT	CTCTGGGCGGA
Hybridoma D5.1.4	-----	-----	-----	-----	-----
Germ line JK3	-----	-----	-----	-----	-----
Germ line CK	-----	-----	-----	-----	-----
Germ line B3	GAGGGCCACC	ATCAACTGCA	AGTCCAGCCA	GAGTGTITTA	TACAGCTCCA
Hybridoma D5.1.4	-----	-----	-----	-----	-----
Germ line JK3	-----	-----	-----	-----	-----
Germ line CK	-----	-----	-----	-----	-----
Germ line B3	CAATAAGAA	CTACTTAGCT	TGGTACCAGC	AGAAACCAGG	ACAGCCTCCT
Hybridoma D5.1.4	-----	-----	-----	-----	-----
Germ line JK3	-----	-----	-----	-----	-----
Germ line CK	-----	-----	-----	-----	-----
Germ line B3	AAGCTGCTCA	TTTACIGGGC	ATCTACCCGG	GAATCCGGGG	TCCCTGACCG
Hybridoma D5.1.4	-----	-----	-----	-----	-----
Germ line JK3	-----	-----	-----	-----	-----
Germ line CK	-----	-----	-----	-----	-----
Germ line B3	ATTCAGTGGC	AGCGGGTCTG	GGACAGATTT	CACCTGCACC	ATCAGCAGCC
Hybridoma D5.1.4	-----	-----	-----	-----	-----
Germ line JK3	-----	-----	-----	-----	-----
Germ line CK	-----	-----	-----	-----	-----

FIG. 19A

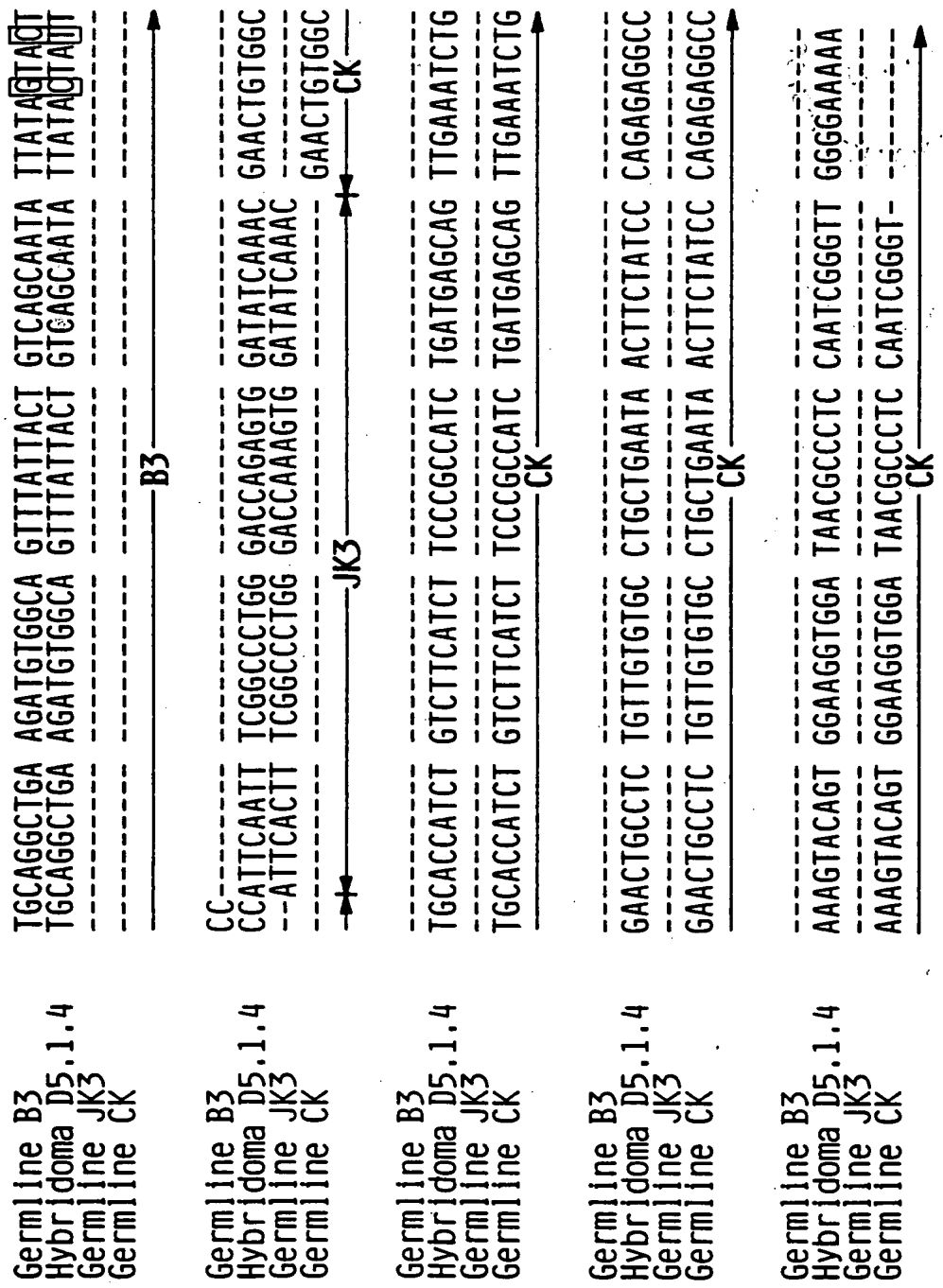


FIG. 19B